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Practitioner's Docket No. MPI96-031CP1DV1CPACN1M

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Chen, Zhiyan J.
 Application No.: 10/052005 Group No.: 1652
 Filed: January 17, 2002 Examiner: Patterson, Charles L. Jr.
 For: A UBIQUITIN-DEPENDENT KINASE CAPABLE OF SITE-SPECIFIC
 PHOSPHORYLATION OF IKB-A

Mail Stop AF
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.132

Dear Sir:

I, Tracy M. Sioussat, Reg. No. 50,609, of Millennium Pharmaceuticals, Inc., hereby declare as follows:

- (1) I am an agent of record for the Applicant in the above-identified application; and
- (2) The I κ B α amino acid sequence added by the Amendment After Final and Response filed herewith is the same I κ B α amino acid sequence disclosed in the Haskill et al. ((1991) Cell 65:1281-1289) reference.

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

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Sean Hunziker/Carolyn Willey

(type or print name of person certifying)

Date: 21 November 2003

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(Page 1 of 2)

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The teachings of this reference are incorporated by reference in this application on page 106, line 6 and page 113, lines 6-7 of the specification.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

21 November 2003

MILLENNIUM PHARMACEUTICALS, INC.

By Tracy M. Sioussat

Tracy M. Sioussat, Ph.D.
Registration No. 50,609
75 Sidney Street
Cambridge, MA 02139
Telephone - 617-374-7679
Facsimile - 617-551-8820

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Declaration for Patent Application

Docket Number: 1448.0240001

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled **A KINASE CAPABLE OF SITE-SPECIFIC PHOSPHORYLATION OF I_KB_α**, the specification of which is attached hereto unless the following box is checked:

was filed on March 19, 1997, as United States Application Number 08/825,559.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	Priority Claimed		
(Application No.)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Application No.)	(Filing Date)
(Application No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

08/616,499 (Application No.)	March 19, 1996 (Filing Date)	Abandoned (Status - patented, pending, abandoned)
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

EXPRESS MAIL LABEL NO. EL365224082US
DATE OF DEPCNT September 24, 1997

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Appl. No. 08/825,559
Docket No. 1448.0240001

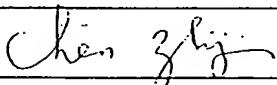
Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202)371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Zhijian J. Chen
Inventor's signature	
	10/9/97 Date
Residence 8200 Southwestern Blvd., Apt. 205, Dallas, TX 75206	
Citizenship China	
Post Office Address Same as above	
Full name of second inventor	
Second Inventor's signature	
Residence	
Citizenship	
Post Office Address	

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POWER OF ATTORNEY FROM ASSIGNEE

ProScript, Inc., a corporation of Cambridge, Massachusetts, having a principal place of business at 38 Sidney Street, Cambridge, Massachusetts 02139, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on September 29, 1997 of an invention known as A KINASE CAPABLE OF SITE-SPECIFIC PHOSPHORYLATION OF IκBα (Attorney Docket No. 1448.0240001), which is disclosed and claimed in a patent application of the same title by the inventor Zhijian J. Chen (said application filed on March 19, 1997 at the U.S. Patent and Trademark Office, having Application Number 08/825,559).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Stacey L. Channing, Registration No. 31,095; and Janice M. Klunder, Registration No. 41,121. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

FOR: ProScript, Inc.
SIGNATURE: David Lubner
BY: David Lubner
TITLE: V.P., Finance & Administration, CFO
DATE: 10/10/97

EXPRESS MAIL LABEL NO PL3652408245
DATE OF DEPOSIT September 04, 1997

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 102.603.179)

In re Application of: Zhijian J. Chen

Serial No.: 08/825,559

Filing Date: March 19, 1997

Title: KINASE CAPABLE OF SITE-SPECIFIC
PHOSPHORYLATION OF IKB- α

Art Unit: 1644

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

REVOCATION AND CREATION OF POWER OF ATTORNEY

Hon. Assistant Commissioner for Patents:

I, David Lubner, hereby certify that I am authorized to act on behalf of ProScript Incorporated in matters before the United States Patent and Trademark Office. I further certify that ProScript Incorporated is the Assignee and the exclusive licensee of the above-identified United States patent application. I further certify that the assignment documents for the above-identified patent application have been reviewed and that to the best knowledge and belief of ProScript Incorporated, title in such patent application is in the name of ProScript Incorporated. The assignment to ProScript Incorporated for the above-identified patent application were recorded in the United States Patent and Trademark Office on May 21, 1996 at reel 7951, frame 0054, in U.S.S.N. 08/616,499 which this application is a continuation-in-part of.

In the above-identified United States patent application, I hereby revoke all powers of attorney previously created. I hereby appoint the following attorneys to prosecute the above-identified application and transact all business in the Patent and Trademark Office connected therewith.

EXPRESS MAIL LABEL NO. EL 365224082 US
DATE OF DEPOSIT September 30, 1999

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U.S.S.N. 08/825,559

Page -2-

James B. Lampert	Reg. No. 24,564
Wayne M. Kennard	Reg. No. 30,271
Michael J. Bevilacqua	Reg. No. 31,091
Hollie L. Baker	Reg. No. 31,321
Henry N. Wixon	Reg. No. 32,073
Donald R. Steinberg	Reg. No. 37,241
Wayne A. Keown, Ph.D.	Reg. No. 33,923
Ann-Louise Kerner, Ph.D.	Reg. No. 33,523
Michael A. Diener	Reg. No. 31,122
Colleen Superko	Reg. No. 39,850
Richard A. Goldenberg	Reg. No. 38,895
Gretchen A. Rice, Ph.D.	Reg. No. 37,429
Peter Dichiara	Reg. No. 38,005
Scott M. Alter	Reg. No. 32,879
Edward Grieff	Reg. No. 38,898
Jason A. Reyes	Reg. No. 41,513
Keum J. Park	Reg. No. 42,059
Janice M. Klunder	Reg. No. 41,121

the mailing address and telephone number of each of whom is Hale and Dorr LLP, 60 State Street, Boston, Massachusetts 02109, and (617) 526-6000.

All correspondence should be sent to:

Wayne A. Keown, Ph.D.
Hale and Dorr LLP
60 State Street
Boston, MA 02109

Tel. No.: (617) 526-6000
Fax. No.: (617) 526-5000

ProScript, Inc.
38 Sidney Street
Cambridge, MA 02139

By David Lubner
David Lubner
Vice President, Finance and
Administration and CFO

Date: 10-14-98

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DATE OF DEPOSIT 2/20/02

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Practitioner's Docket No. MP196-031CP1DV1CPACN1M

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

In re application of: **Chen, Zhijian J.**
Application No.: **10/052,005** Group No.: **1652**
Filed: **January 17, 2002** Examiner: **N/A**
For: **A KINASE CAPABLE OF SITE-SPECIFIC PHOSPHORYLATION OF IKB-A**

Commissioner for Patents
Washington, D.C. 20231

REVOCATION OF PRIOR POWERS OF ATTORNEY
AND APPOINTMENT OF NEW POWER OF ATTORNEY

Dear Sir:

MILLENNIUM PHARMACEUTICALS, INC., the Assignee of the entire right, title and interest in the above-identified application by virtue of the Merger document filed with the United States Patent and Trademark Office on April 23, 2001, at Reel 011742, Frame 0508 hereby revokes all Powers of Attorney with respect to that application heretofore granted and appoints the below listed attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office connected therewith.

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

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37 C.F.R. SECTION 1.8(a)

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Date: 12/20/02

Signature


(type or print name of person certifying)

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Scott A. Brown, Reg. No. 32,724; Susan M. Perkins, Reg. No. 36,405; Carmen Pili Ekstrom, Reg. No. 34,981; Ian R. Silverman, Reg. No. 37,443; Jean M. Silveri, Reg. No. 39,030; Allan N. Kutzenco, Reg. No. 38,945, Theodore R. Allen, Reg. No. 41,578; Kerri Pollard Schray, Reg. No. 47,066, Tracy M. Sioussat, Reg. No. 50,609; Steven A Bossone, Reg. No. 51,196; and Paul J. Paglierani, Reg. No. P-52,498.

all of Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, Massachusetts 02139, United States of America.

Please direct all future correspondence to:

Intellectual Property Group
MILLENNIUM PHARMACEUTICALS, INC.
75 Sidney Street
Cambridge, MA 02139

and direct all telephone calls to Jean M. Silveri at 617-679-7336.

MILLENNIUM PHARMACEUTICALS, INC.

By: Jean M. Silveri

Typed Name: Jean M. Silveri

Title: Sr. Patent Counsel

Dated: December 19, 2002

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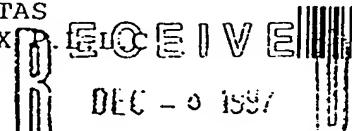
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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

NOVEMBER 28, 1997

STERNE, KESSLER, GOLDSTEIN & FOX
ANNE BROWN
1100 NEW YORK AVE., N.W.
SUITE 600
WASHINGTON, DC 20005-3934

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PEARLENE, KESSLER, GOLDSTEIN & FOX PLLC

Jay
Rehn

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/14/1997

REEL/FRAME: 8751/0345
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHEN, ZHIJIAN J.

DOC DATE: 09/29/1997

ASSIGNEE:

PROSCRIPT, INC.
38 SIDNEY STREET
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 08825559

FILING DATE: 03/19/1997
PATENT NUMBER:

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
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DATE OF DEPOSIT September 24, 1997

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Patent and Trademark Office
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PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party:

Zhijian J. CHEN

NERD

10-14-97

2. Name and address of receiving party:

Name: ProScript, Inc.

Street Address: 38 Sidney Street

City: Cambridge State: Massachusetts Zip Code: 02139

Country: U.S.A.

Additional name(s) & address(es) attached? yes no

Execution Date: September 29, 1997

4. Application number or patent number(s): 08/825,559

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached?

 yes no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00 Enclosed Authorized to be charged to Deposit Account

8. Deposit Account Number: 19-0036

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Anne Brown
Name of Person Signing
Registration No. 36,463

Anne Brown

10/14/97

Date
Total number of pages including cover sheet, attachments and document: 2

OMB NO. 0651-0011 (exp. 4/94)

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Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231PAUSERSCIERRR0001448-0240001.R5C
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SACF Rev. 4/16/96

10/22/1997 TTOH11 00000156 08825559

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Zhijian J. Chen, ProScript, Inc. (the Assignee) his/her entire right, title and interest

check applicable box(es) for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention(s) known as A KINASE CAPABLE OF SITE-SPECIFIC PHOSPHORYLATION OF I_KB α for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 9/29/97 (also known as United States Application No. 08/825,559, filed March 19, 1997), in any and all applications thereon, in any and all Letters Patent(s) therefor, and applications thereof, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912, Edward J. Kessler, Esquire, Registration No. 25,688, Jorge A. Goldstein, Esquire, Registration No. 29,021, Samuel L. Fox, Esquire, Registration No. 30,353, David K.S. Cornwell, Esquire, Registration No. 31,944, Robert W. Esmond, Esquire, Registration No. 32,893, Tracy-Gene G. Durkin, Esquire, Registration No. 32,831, Michele A. Cimbala, Esquire, Registration No. 33,851, Michael B. Ray, Esquire, Registration No. 33,997 and Robert E. Sokohl, Esquire, Registration No. 36,013, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: 9/29/97 Signature of Inventor: Zhijian J. Chen
Signature of Inventor: Zhijian J. Chen

P:\USERS\TPITTMAN\1448024-1.ASN

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NOVEMBER 23, 1999

HALE AND DORR LLP
JANICE M. KLUNDER
60 STATE ST.
BOSTON, MA 02109

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/13/1999

REEL/FRAME: 010233/0437
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

PROSCRIPT, INC.

DOC DATE: 09/08/1999

ASSIGNEE:

LEUKOSITE, INC.
215 FIRST STREET
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER: 08825559
PATENT NUMBER:

FILING DATE: 03/19/1997
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
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9/13/79

FORM PTO-1595
(Rev. 6-93)

RE. MORE

09-20-1999

T

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ▾

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): ProScript, Inc.		2. Name and address of receiving party(ies): Name: <u>LeukoSite, Inc.</u>
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		Street Address: <u>215 First Street</u>
Execution Date: <u>September 8, 1999</u>		City: <u>Cambridge</u> State: <u>MA</u> ZIP: <u>02142</u>
Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____		
A. Patent Application No.(s) <u>08/825,559</u>		B. Patent No.(s)
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Janice M. Klunder, Ph.D.</u>		6. Total number of applications and patents involved: <u>1</u>
Internal Address: <u>Hale and Dorr LLP</u>		7. Total fee (37 CFR 3.41)..... <u>\$40.00</u>
Street Address: <u>60 State Street</u>		<input type="checkbox"/> Enclosed
City: <u>Boston</u> State: <u>MA</u> ZIP: <u>02109</u>		<input checked="" type="checkbox"/> Authorized to be charged to deposit account <small>Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.</small>
09/15/1999 JSHABAZZ 00000075 080219 08825559		DO NOT USE THIS SPACE
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9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
_____ Name of Person Signing <u>Janice M. Klunder</u>		<u>Janice M. Klunder</u> Signature
Registration No. 41,121		September 9, 1999 Date <u>3</u>
Total number of pages including cover sheet, attachments, and document: _____		

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

September 9, 1999

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Attorney Docket No.: 102.603.179

ASSIGNMENT

WHEREAS, ProScript, Inc., a Delaware corporation, having a principal place of business at 38 Sidney Street, Cambridge, Massachusetts 02139 ("ASSIGNOR"), is the owner of the entire right, title and interest in and to the invention disclosed in the application for Letters Patent entitled "Kinase Capable of Site-Specific Phosphorylation of I_KB- α ", the specification of which was filed with the United States Patent and Trademark Office on March 19, 1997, and assigned United States Patent Application Number 08/825,559 ("PATENT"); and

WHEREAS, LeukoSite, Inc., a Delaware corporation, having a principal place of business at 215 First Street, Cambridge, Massachusetts 02142 ("ASSIGNEE"), is desirous of acquiring the right, title and interest in and to the PATENT;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does hereby sell, assign, and transfer to ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to the PATENT and any patents, and any reissues and extensions thereof, which issue upon patent applications which correspond with the PATENT, including the right to sue and collect for past infringements ("EXTENDED RIGHTS"); the same to be held and enjoyed by ASSIGNEE for its own use, and for the use of its legal representatives, to the full term for which the PATENT and EXTENDED RIGHTS have been granted as fully and entirely as the same would have been held by ASSIGNOR had this Assignment not been made.

ASSIGNOR does hereby further covenant and agree that it will not execute any writing or do any act whatsoever conflicting with these presents, and that ASSIGNOR, its successors and assigns, will at any time upon request of ASSIGNEE,

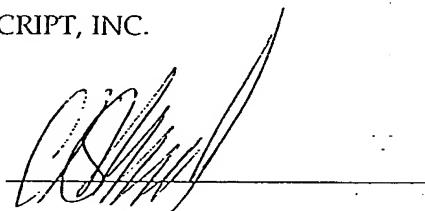
COPY

Attorney Docket No.: 102.603.179

its successors and assigns, execute such additional writings and do such additional acts as ASSIGNEE, its successors and assigns, may determine as necessary or desirable in the enjoyment of this grant, and in any proceedings or transactions involving the PATENT and EXTENDED RIGHTS.

IN WITNESS WHEREOF, the ASSIGNOR, by its duly authorized officer, has executed this Assignment, as an instrument under seal, on this 8 day of September, 1999.

PROSCRIPT, INC.

By: 

The foregoing instrument was acknowledged before me this 8 day of September, 1999.

By Edith Eschbach
Notary of Public

COPY



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 16, 2001

HALE AND DORR LLP
WAYNE A. KEOWN
60 STATE STREET
BOSTON, MA 02109

HALE AND DORR LLP
PTAS

JUL 19 2001



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/23/2001

REEL/FRAME: 011742/0508
NUMBER OF PAGES: 4

BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEUKOSITE, INC.

DOC DATE: 03/15/2000

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
75 SIDNEY STREET
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 08825559
PATENT NUMBER: 6107073

FILING DATE: 03/19/1997
ISSUE DATE: 08/22/2000

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

HALE & DORR DOCKETING

RE: 103576-200 (US)

Action Date: _____

Action to be Taken: _____

Docketed by: Oy On: 7-20-01

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4-23-01



FORM PTO-1563 (Modified)
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RECORDATION FORM COVER SHEET

cket No.: 103576.200

05-03-2001

CE
ce**PATENTS ONLY**

101699990

To the Honorable Commissioner of Patents and Trademarks: Please record the attached drawings.

1. Name of conveying party(ies):

LeukoSite, Inc.

Additional names(s) of conveying party(ies)

 Yes No

3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other _____Execution Date: March 15, 2000

2. Name and address of receiving party(ies):

Name: Millennium Pharmaceuticals, Inc.Address: 75 Sidney StreetCity: Cambridge State/Prov.: MACountry: USA ZIP: 02139Additional name(s) & address(es) Yes No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

6,107,073

Additional numbers

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Wayne A. KeownRegistration No. 33,923Address: Hale and Dorr LLP60 State StreetCity: BostonState/Prov.: MA

Country: _____

ZIP: 02109

05/02/2001 DRYRSH 00000010 080219 6107073

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account

8. Deposit account number:

08-021901 FC:581 40.00 CH

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Janice M. Klunder, Reg. No. 41,121

Name of Person Signing

Signature

4/19/01

Date

Total number of pages including cover sheet, attachments, and

COPY

State of Delaware
PAGE 1
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"LEUKOSITE, INC.", A DELAWARE CORPORATION,
WITH AND INTO "MILLENNIUM PHARMACEUTICALS, INC." UNDER THE
NAME OF "MILLENNIUM PHARMACEUTICALS, INC.", A CORPORATION
ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE,
AS RECEIVED AND FILED IN THIS OFFICE THE SIXTEENTH DAY OF MARCH,
A.D. 2000, AT 5:30 O'CLOCK P.M.

2296418 8100M

001315321



Edward J. Freel
Edward J. Freel, Secretary of State

0512437
AUTHENTICATION:

06-21-00
DATE:

COPY

MAR-16-2000 17:07

P.04/05

CERTIFICATE OF OWNERSHIP AND MERGER

MERGING

LeukoSite, Inc.
(a Delaware corporation)

INTO

Millennium Pharmaceuticals, Inc.
(a Delaware corporation)

Millennium Pharmaceuticals, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify:

FIRST: That the Corporation was incorporated on the 13th day of January, 1993 pursuant to the General Corporation Law of the State of Delaware.

SECOND: That the Corporation owns all of the outstanding shares of each class of the stock of LeukoSite, Inc., a corporation incorporated on the 1st day of May, 1992 pursuant to the General Corporation Law of the State of Delaware.

THIRD: That the Executive Committee of the Board of Directors of the Corporation, by written consent effective as of the 13th day of March, 2000, duly adopted the following resolutions:

RESOLVED: That, pursuant to Section 253 of the Delaware General Corporation Law, the Corporation is hereby authorized to merge LeukoSite, Inc., a Delaware corporation which is a wholly owned subsidiary of the Corporation, into the Corporation;

RESOLVED: That the President and Secretary of the Corporation be and each hereby is, authorized to execute a Certificate of Ownership and Merger with respect to the merger of LeukoSite, Inc. into the Corporation, cause the same to be filed with the Secretary of State of Delaware and take all such other actions and to execute all such other instruments and agreements as they or any of them may deem appropriate to effect such merger;

RESOLVED: That the merger of LeukoSite, Inc. into the Corporation shall be effective upon the filing of a Certificate of Ownership and Merger with the Secretary of State of Delaware.

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 05:30 PM 03/16/2000
001135148 - 2322355

COPY

MAR-16-2000 17:08

P.05/05

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by its authorized officer this 15th day of March, 2000.

MILLENNIUM PHARMACEUTICALS, INC.

By: John S. Douglas
Title: Secretary
Jack Douglas